

## STS

750 Corporate Woods Parkway, Vernon Hills, IL 60061  
T 847.279.2500 F 847.279.2510 www.sts.aecom.com

October 28, 2008

Mr. Trevor Sheldon  
McHugh Construction Company  
1737 S. Michigan Avenue  
Chicago, IL 60616

RE: Radiological Survey of Right-of-Way Utility Excavation  
Permit No.: 873464728  
Permit Address: 600 N. Lake Shore Drive  
STS Project No. 200804012

Dear Mr. Sheldon:

Pursuant to conditions specified in a permit (see attached) issued by the City of Chicago, radiation monitoring was required to be performed at the above-referenced site. STS provided the required radiation surveillance for the driveway and sidewalk reconstruction on East Ontario Street, North Lake Shore Drive, and East Ohio Street conducted during September-October 2008.

The sidewalk reconstruction and radiological surveying started near the southwestern property boundary and continued eastward towards Lake Shore Drive. Curbs and sidewalks were being removed, and a 10-foot by 5-foot trench, down to a depth of approximately 30-36 inches, was excavated for a landscape (tree) planting area (refer to Figure 1).

Surveying was performed as curbs and sidewalks were removed from the northwestern boundary eastward towards North Lake Shore Drive and then south towards East Ohio Street. The monitoring revealed no indication of soils above the specified clean-up threshold established by the U.S. Environmental Protection Agency for the Streeterville area of Chicago. The USEPA threshold for Chicago is 7.1 picocuries per gram (pCi/g) total radium (Ra-226 + Ra-228). Gamma radiation count measurements for the project were made using a Ludlum Model 2221 survey meter and an unshielded 2 x 2 NaI probe (Model 44-10). For the instrumentation used, the gamma count indicative of the 7.1 pCi/g threshold was 19,017 counts per minute (cpm). The values within the excavations measured from 9,200 to about 12,100 cpm. Thus, there was no indication of an exceedance of the USEPA threshold.

Finally, as part of the permit conditions, this letter has been forwarded to:

Chicago Department of Environment  
Attention: Ms. Rahmat Begum  
30 North LaSalle Street, 25<sup>th</sup> Floor  
Chicago, Illinois 60602

Please contact us with any questions you have regarding this letter or the reported results.

Regards,

  
Jaclyn Webb  
Project Scientist

  
Steven C. Körnder, Ph.D.  
Senior Project Geochemist

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cc: Rahmat Begum, Chicago Department of Environment  
Verneta Simon, USEPA

Attachments: Permit  
Sketch  
Lab Report



City of Chicago  
Richard M. Daley, Mayor

Department of Environment

Sadhu A. Johnston  
Commissioner

Twenty-fifth Floor  
30 North LaSalle Street  
Chicago, Illinois 60602-2575  
(312) 744-7606 (Voice)  
(312) 744-6451 (FAX)  
(312) 744-3586 (TTY)  
<http://www.cityofchicago.org>

## CITY OF CHICAGO DEPARTMENT OF ENVIRONMENT FORM NO. DOE.ROW.02

Notice is hereby given that the site you have requested a permit for is recorded with the City of Chicago Department of Environment as potentially having environmental contamination on the site and adjacent right-of way. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, or in the adjacent right-of-way, if proper safeguards are not employed.

A file containing detailed information regarding the aforementioned environmental contamination is available for review at the Department of Environment at 30 N. LaSalle St., 25th Floor, Chicago, Illinois 60602 during normal business hours (8:30AM - 4:30PM, Monday through Friday). Contact (312) 744-7606 for an appointment. This file must be reviewed and the remainder of this form completed before the permit can be issued if the ground is exposed or excavated. Please note that for some locations, additional health and safety procedures may be required by law.

Please complete the following:

I have reviewed and understand the documents, maintained by the Department of Environment, regarding environmental contamination of the site and adjacent right-of-way. Further, I will ensure that all work at the subject site and adjacent right-of-way, and any monitoring required including but not limited to radiation monitoring, will be performed in a manner that is protective of human health and the environment and in compliance with all applicable local, state, and federal laws, rules, and regulations, especially those pertaining to worker safety and waste management. I will ensure that the results of any radiation monitoring and/or surveying conducted shall be provided to the Department of Environment and the United States Environmental Protection Agency within two (2) weeks of their completion. If any elevated levels of radioactive material are detected, I will immediately contact the United States Environmental Protection Agency at (800) 424-8802.

Permit No. 873464728

Date 8/21/08

Site Address

00 N. L.S.D  
00-449 E. Ohio  
Work Location (Describe  
exact site location and  
attach map)

600 N. L.S.D  
440-500 E. Ohio

Nature of Work  
Driveways  
Remove (sw)  
+ replace  
Expected Start Date

Applicant Name (print) KEVIN GIBSON

Signature Kevin Gibson Date 8-21-08

Company JAMES McHUGH CONSTRUCTION

Company Address / Phone No. 1737 S. MICHIGAN

Check if City Department Work ☐ Department Name

General / Prime Contractor

James McHugh Construction ST. C  
Include subcontractor information if applicable CONSULTANT

Address 1737 S. MICHIGAN

Phone No. 773 619-0159

Safety Officer / Phone No. 773 619-0159 847-279-2448

Radiation Contractor / Phone No. (if applicable)

Department of Environment Approval / Date

Samuel 8/21/08

Please return this completed form to the City of Chicago Department of Transportation at 30 N. LaSalle St., Room 1101, Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday).



600 N. Lake Shore Drive

ROW Rad Screening

J W

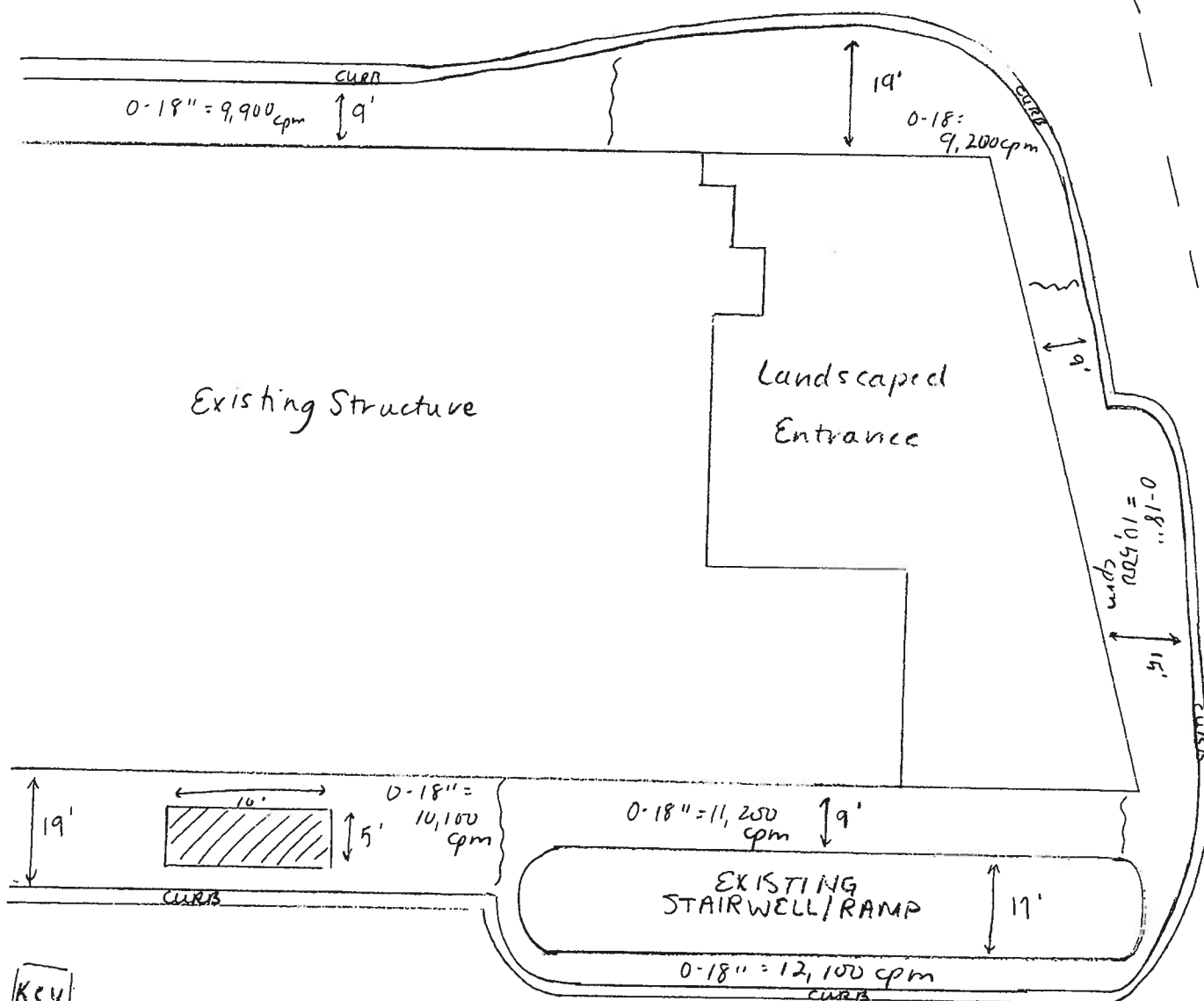
9-10/08 200804012

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For Mettuh Construction

N

E. ONTARIO STREET



KEY

Flowerbed  
 0-18" = 10,100 cpm  
 18-36" = 12,300 cpm

Surveying performed using Ludlum Model 2221  
 USEPA threshold 7.1 pCi/g (19,017 cpm)

E. OHIO STREET